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Polycationic supports for nucleic acid purification, separation and hybridization.

Described herein is the use of polycationic solid supports in the purification of nucleic acids from solutions containing contaminants. The nucleic acids non-covalently bind to the support without signficant binding of contaminants permitting their separation from the contaminants. The bound nucleic acids can be recovered from the support. Also described is the

use of the supports as a means to separate polynucleotides and hybrids thereof with a nucleotide probe from unhybridized probe. Assays for target nucleotide sequences are described which employ this separation procedure.

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EUROPEAN SEARCH REPORT

Application Number

EP 88 30 1839

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INC.) * Abstract; example 1; claims 1-8 *	elevant claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
INC.) * Whole document * Y EP-A-0 102 661 (KATHOLIEKE UNIVERSITEIT, FACULTEIT DER WISKUNDE EN NATUURWETENSCHAPPEN) * Whole document * Y EP-A-0 189 280 (DEKALB-PFIZER GENETICS) * Abstract; claims 1-6 * Y WO-A-8 600 139 (DIAGNOSTIC RESEARCH LTD) * Abstract; page 17 - page 24, line 26; claims 1,13 * Y EP-A-0 125 995 (ADVANCED MAGNETICS INC.) * Whole document * Y WO-A-8 605 518 (SUMMERTON et al.) * Abstract; claims * The present search report has been drawn up for all claims Place of search Date of completion of the search	109	C 07 H 1/06 C 12 Q 1/68 G 01 N 33/543
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LTD) * Abstract; page 17 - page 24, line 26; claims 1,13 * Y EP-A-O 125 995 (ADVANCED MAGNETICS INC.) * Whole document * Y WO-A-8 605 518 (SUMMERTON et al.) 27,2 * Abstract; claims * The present search report has been drawn up for all claims Place of search Date of completion of the search	109	
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* Abstract; claims * 30-3 57-6 90,9 The present search report has been drawn up for all claims Plate of search Date of completion of the search	.09	C 07 H C 12 Q G 01 N
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